

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
30 October 2003 (30.10.2003)

PCT

(10) International Publication Number
WO 03/090405 A1

(51) International Patent Classification⁷: H04L 9/32, H04B 7/00, H04Q 7/20, A61N 1/37

(21) International Application Number: PCT/US03/11239

(22) International Filing Date: 10 April 2003 (10.04.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 60/372,913 16 April 2002 (16.04.2002) US

(71) Applicant (for all designated States except US): THOMSON LICENSING S.A. [FR/FR]; 46, Quai A. Le Gallo, F-92648 Boulogne (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BROERMAN, Keith, Robert [US/US]; 13457 Dunes Drive, Carmel, IN 46032 (US). SHU, Linmei [CN/US]; 10230 Matoca Way, Austin, TX 78726 (US). WANG, Liangzhong [CN/US]; 10230 Matoca Way, Austin, TX 78726 (US).

(74) Agents: TRIPOLI, Joseph, S. et al.; c/o Thomson Licensing Inc., Two Independence Way, Suite #2, Princeton, NJ 08540 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

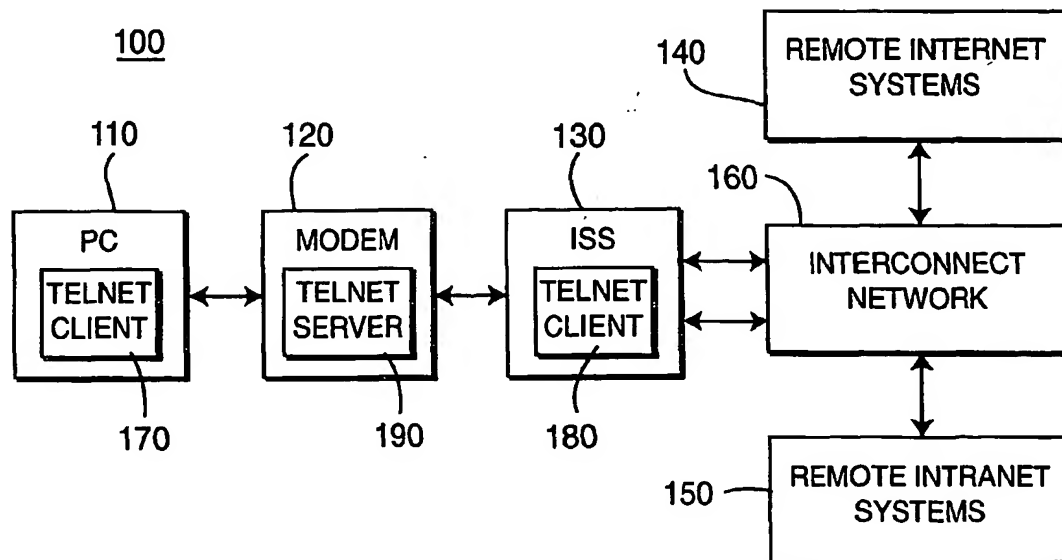
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD, APPARATUS AND SYSTEM FOR SUPPORTING MULTIPLE COLLABORATIVE SESSIONS IN A BI-DIRECTIONAL COMMUNICATION DEVICE



(57) Abstract: A method, apparatus (120) and system (100) for supporting multiple diagnostic sessions include receiving multiple diagnostic session requests, verifying identification information for each requester (110, 130), establishing a communications channel for each verified requester, and communicating the requested information to all of the verified requesters via the established communications channels.



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/11239

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04L 9/32; H04B 7/00; H04Q 7/20; A61N 1/37

US CL : 380/21; 709/229; 713/201; 455/519, 520, 13.2; 607/60; 607/59

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 380/21; 709/229; 713/201; 455/519, 520, 13.2; 607/60; 607/59

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
EAST, IEEE, MICROSOFT DICTIONARY

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Bi-directional communication device, sessions, verify, diagnostic, identify and processor

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y ✓	US 6,229,894 B1 (Van Oorschot et al) 08 May 2001 (08.05.2001), column 5, lines 27-65, and see entire document.	1-20
Y, P ✓	US 6,529,740 B1 (Ganucheau, Jr. et al) 04 March 2003 (04.03.2003), column 7, line 54 to column 8, line 5, and see entire document.	1-20
Y, P ✓	US 6,442,433 B1 (Kurt R. Linberg) 27 August 2002 (27.08.2002), Abstract, column 8, line 65 to column 9, line 4, and column 16, lines 25-55.	1-20

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

20 June 2003 (20.06.2003)

Date of mailing of the international search report

15 JUL 2003

Name and mailing address of the ISA/US

Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

Facsimile No. (703)305-3230

Authorized officer

David Wiley

Telephone No. 703-305-9000